## bs-9241R

# [ Primary Antibody ]

# Bioss

# RNF31 Rabbit pAb

www.bioss.com.cn sales@bioss.com.cn techsupport@bioss.com.cn 400-901-9800

- DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GenelD: 55072 SWISS: Q96EP0

Target: RNF31

**Immunogen:** KLH conjugated synthetic peptide derived from human

RNF31/HOIP: 671-780/1072.

**Purification:** affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50%

Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated

freeze/thaw cycles.

Background: E3 ubiquitin-protein ligase component of the LUBAC complex

which conjugates linear polyubiquitin chains in a head-to-tail manner to substrates and plays a key role in NF-kappa-B activation and regulation of inflammation. LUBAC conjugates linear polyubiquitin to IKBKG and RIPK1 and is involved in activation of the canonical NF-kappa-B and the JNK signaling pathways. Linear ubiquitination mediated by the LUBAC complex interferes with TNF-induced cell death and thereby prevents inflammation. LUBAC is proposed to be recruited to the TNF-R1 signaling complex (TNF-RSC) following polyubiquitination of TNF-RSC components by BIRC2 and/or BIRC3 and to conjugate linear polyubiquitin to IKBKG and possibly other components contributing to the stability of the

complex. Binds polyubiquitin of different linkage types.

Applications: IHC-P (1:100-500)

IHC-F (1:100-500) IF (1:50-200) Flow-Cyt (2ug/Test) ICC/IF (1:100-500)

Reactivity: Human, Mouse, Rat

(predicted: Rabbit, Pig, Dog,

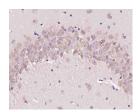
Horse)

Predicted 118 kDa

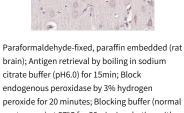
MW.: 118 KD

**Subcellular** Cytoplasm

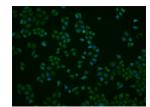
#### VALIDATION IMAGES



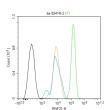
Paraformaldehyde-fixed, paraffin embedded (mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (RNF31) Polyclonal Antibody, Unconjugated (bs-9241R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



goat serum) at 37°C for 30min; Incubation with (RNF31) Polyclonal Antibody, Unconjugated (bs-9241R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Hela cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (RNF31) polyclonal Antibody, Unconjugated (bs-9241R) 1:50, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.



Blank control (black line) :Hela. Primary Antibody (green line): Rabbit Anti-RNF31 antibody (bs-9241R) Dilution:2ug/Test;
Secondary Antibody (white blue line): Goat
anti-rabbit IgG-FITC Dilution: 0.5ug/Test. Isotype
control (orange line): Normal Rabbit IgG
Protocol The cells were fixed with 4% PFA
(10min at room temperature) and then
permeabilized with 90% ice-cold methanol for
20 min at -20°C, The cells were then incubated in
5%BSA to block non-specific protein-protein
interactions for 30 min at room temperature
.Cells stained with Primary Antibody for 30 min
at room temperature. The secondary antibody
used for 40 min at room temperature.
Acquisition of 20,000 events was performed.

## - SELECTED CITATIONS -

• [IF=8.9] Jiali Ye. et al. Polystyrene nanoplastics and cadmium co-exposure aggravated cardiomyocyte damage in mice by regulating PANoptosis pathway. ENVIRON POLLUT. 2024 Mar;:123713 WB; Mouse. 38462200